

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-005305
 (43)Date of publication of application : 10.01.1995

(51)Int.Cl. G02B 5/02

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 (22)Date of filing : 17.12.1993 (72)Inventor : KATO KIMIKO

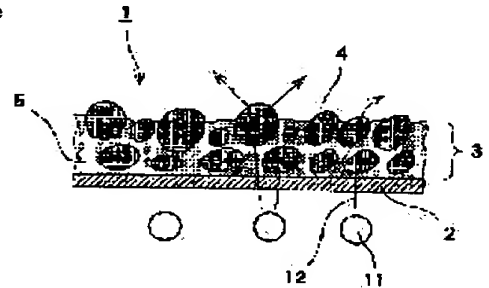
(30)Priority
 Priority number : 05 90983 Priority date : 19.04.1993 Priority country : JP

(54) LIGHT DIFFUSING SHEET MATERIAL

(57)Abstract:

PURPOSE: To avoid the image of a back light of a liquid crystal display and to improve brightness by forming a diffusion layer comprising a mixture of a binder and beads by coating the upper surface of a transparent or semitransparent base sheet.

CONSTITUTION: The base sheet 2 consists of a transparent material such as plastics and glass or a semitransparent sheet produced by compounding a pigment such as titanium dioxide to the material of the transparent sheet above described. The diffusion layer 3 to diffuse light guided to the base sheet 2 is formed by coating the base sheet 2. The diffusion layer 3 consists of a mixture of a transparent plastic resin binder 5 and colored beads 4. A light beam from a light source 11 transmits through the base sheet 2 and diffusion layer 3 after repetition of contact, refraction and reflection with colored beads 4 in the layer 3. Thereby, the light transmitting through the diffusion layer 3 can be uniformly diffused so that the image of the light (light source) can be eliminated by this homogeneous diffused light.



LEGAL STATUS

[Date of request for examination] 17.12.1993
 [Date of sending the examiner's decision of rejection] 05.08.1997
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
 [Date of final disposal for application]
 [Patent number]
 [Date of registration]
 [Number of appeal against examiner's decision of rejection]
 [Date of requesting appeal against examiner's decision of rejection]
 [Date of extinction of right]

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